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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
09/851,594	05/08/2001	Thomas W. Bucht	CROSS1380-1	2615		
25094 75	590 01/09/2004		EXAMINER			
	Y, WARE & FREIDEN	PUENTE, EMERSON C				
1221 SOUTH N SUITE 400	MOPAC EXPRESSWAY	ART UNIT	PAPER NUMBER			
AUSTIN, TX	78746-6875		2113			
			DATE MAIL ED: 01/09/200	4		

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary			Application No.		Applicant(s)		\mathcal{A}		
			09/851,594		BUCHT, THOMAS	6 W.	G		
	Office Action Summary	E	xaminer		Art Unit				
	The MAU INC DATE of this commun		merson C Puente		2184				
Period fo	The MAILING DATE of this commun or Reply	ication appea	rs on the cover sheet w	nin in o co	rrespondence ad	aress			
THE I - Exter after - If the - If NO - Failu - Any r	ORTENED STATUTORY PERIOD FOMAILING DATE OF THIS COMMUNI asions of time may be available under the provisions SIX (6) MONTHS from the mailing date of this community period for reply specified above is less than thirty (3) period for reply is specified above, the maximum stare to reply within the set or extended period for reply eply received by the Office later than three months and patent term adjustment. See 37 CFR 1.704(b).	CATION. of 37 CFR 1.136(a unication. d) days, a reply with ututory period will a will, by statute, ca	a). In no event, however, may a thin the statutory minimum of thi apply and will expire SIX (6) MOI use the application to become A	reply be time rty (30) days NTHS from th BANDONED	ly filed will be considered timely the mailing date of this co (35 U.S.C. § 133).				
1)⊠	Responsive to communication(s) file	d on <i>08 May</i>	<u>2001</u> .						
2a)□	This action is FINAL . 2b)⊠ This action is non-final.								
3)[Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.								
Dispositi	on of Claims								
5)□ 6)⊠ 7)⊠	 Claim(s) is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. Claim(s) is/are allowed. Claim(s) 1-13 is/are rejected. Claim(s) 10 is/are objected to. Claim(s) are subject to restriction and/or election requirement. 								
	on Papers		·						
10)□	The specification is objected to by the The drawing(s) filed on is/are: Applicant may not request that any object Replacement drawing sheet(s) including The oath or declaration is objected to	a) accept ction to the dra the correction	wing(s) be held in abeya is required if the drawing	nce. See g(s) is obje	37 CFR 1.85(a). cted to. See 37 CF	, ,			
Priority u	ınder 35 U.S.C. §§ 119 and 120								
a)[* S 13)	Acknowledgment is made of a claim All b) Some * c) None of: 1. Certified copies of the priority 2. Certified copies of the priority 3. Copies of the certified copies of application from the Internation from the Internation from the Internation application from the Internation from the Internation from the Internation of the action from the acknowledgment is made of a claim from the foreign land acknowledgment is made of a claim from the foreign land acknowledgment is made of a claim from the first sent from the first	documents he documents he fithe priority nal Bureau (In for a list of or domestic per din the first serious provisor domestic per domes	ave been received. ave been received in A documents have been PCT Rule 17.2(a)). the certified copies not priority under 35 U.S.C. sentence of the specific sional application has b	Application received freceived frece	n No I in this National I. (to a provisional n an Application ived. and/or 121 since	applicatio Data Shee a specific			
Attachment									
2) Notic	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (P nation Disclosure Statement(s) (PTO-1449) Pa				PTO-413) Paper No(stent Application (PTC				

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DETAILED ACTION

Specification

The disclosure is objected to because of the following informalities:

Please remove the second period after the word "required" (see page 12 top paragraph).

The term "register" (see item 120 figure 1, item 220 figure 2, and 320 figure 3 and throughout specification) is incorrectly defined. The specification cites "In any event the register is capable of making a determination as the validity or importance of the data and acts accordingly" (see page 12). The term "register" accepted meaning is "a device capable of retaining information..." (see IEEE Authoritative Dictionary of IEEE standards). In other words, a "register" under the accepted meaning is a storage unit for the purpose of retaining information. Thus, a register is incapable of making a determination as the validity or importance of the data.

Appropriate correction is required.

Claim Objections

Claim 10 is objected to because of the following informalities:

In regards to claim 10, please change "... least on of a ..." to "... least one of a ..." (see line 4 of claim). Appropriate correction is required.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

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Claims 1-6 and 13 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Where applicant acts as his or her own lexicographer to specifically define a term of a claim contrary to its ordinary meaning, the written description must clearly redefine the claim term and set forth the uncommon definition so as to put one reasonably skilled in the art on notice that the applicant intended to so redefine that claim term. *Process Control Corp. v. HydReclaim Corp.*, 190 F.3d 1350, 1357, 52 USPQ2d 1029, 1033 (Fed. Cir. 1999). The term "register" in claim 1-6 and 13 is used by the claim to mean "sampling the data and determining whether the data is valid", while the accepted meaning is "a device capable of retaining information..." (see IEEE Authoritative Dictionary of IEEE standards). A "register" under the accepted meaning is merely a storage unit for the purpose of retaining information, not "a device capable of sampling data or determining whether data is valid". The term is indefinite because the specification does not clearly redefine the term.

For purposes of examination, examiner interprets "register" to be a "hardware device".

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted

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on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-13 are rejected under 35 U.S.C. 102(e) as being anticipated by US Patent 6,256,708 of Watanabe et al. referred hereinafter "Watanabe".

In regards to claim 1, Watanabe discloses:

directing a register to drive data via a first device (see column 9 lines 53-63); driving the data via the register to the first device and a second device simultaneously (see column 9 lines 53-63);

sampling of the data by the register and determining whether the data is valid.

Watanabe discloses a valid flag corresponding of the data of address lower AD-2 of the A line, which represents the validity of the data (see column 9 lines 53-60); and

signaling the second device as to whether the data is valid or invalid. Watanabe discloses sending data to the cache memory when the data in the memory is invalid (see column 9 lines 53-63).

In regards to claim 2, Watanabe discloses:

the register is capable of analyzing at least one bit of the data to determine if the data is valid or invalid. Watanabe discloses a valid flag corresponding of the data of address lower AD-2 of the A line, implying the analyzing of the address lower AD-2 of the A line (see column 9 lines 53-63)

In regards to claim 3, Watanabe discloses:

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the bit analyzed in determining the validity of the data is at least one of the most significant bit and a least significant. Watanabe discloses the AD-2 of the A line as the least significant it in the L2-TAGRAM and L2 status (see figure 3(b) and (c)).

In regards to claim 4, Watanabe discloses:

the first device comprises a CPU (see column 9 lines 59)

In regards to claim 5, Watanabe discloses:

wherein the second device comprises a memory device (see column 9 lines 62-

63).

In regards to claim 6, Watanabe discloses:

wherein the memory device further comprises at least one of a content addressable memory, a hardware register, and a storage medium (see column 9 lines 62-63).

In regards to claim 7, Watanabe discloses:

a CPU in communication with and capable of directing a first hardware device see column 9 lines 53-63);

the first hardware device responsive to the CPU and capable of driving data pursuant to instructions from the CPU (see column 9 lines 53-63), wherein the hardware device is further capable of:

substantially simultaneously driving data to the CPU and a second hardware device (see column 9 lines 53-63);

analyzing one or more bits from the data driven by the first hardware device in determining validity of the data. Watanabe discloses a valid flag corresponding

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of the data of address lower AD-2 of the A line, which represents the validity of the data (see column 9 lines 53-60); and

transmitting a signal to the second hardware device regarding the validity of the data Watanabe discloses sending data to the cache memory when the data in the memory is invalid (see column 9 lines 53-63).

In regards to claim 8, Wanatabe discloses wherein first device comprises a hardware register (see figure 1 item 16).

In regards to claim 9, Wanatabe discloses wherein the second hardware device comprises writable hardware device (see column 9 lines 62-63).

In regards to claim 10, Wanatabe discloses wherein the writable hardware device comprises at least one of a content addressable memory, a hardware register, and a storage medium (see column 9 lines 62-63)

In regards to claim 11, Wanatabe discloses wherein the first hardware device analyze at least one of a most significant bit, and a least significant bit in determining the validity of the data. Watanabe discloses the AD-2 of the A line as the least significant it in the L2-TAGRAM and L2 status (see figure 3(b) and (c)).

In regards to claim 12, Wanatabe discloses wherein the validity signal is transmitted to the second hardware device at approximately near completion of the read cycle of the CPU (see column 9 lines 53-63).

In regards to claim 13, Wanatabe discloses:

a hardware register capable of testing data for one or more validity bits (see column 9 lines 53-63);

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a CPU in communication with the hardware register during a first bus cycle, wherein the CPU directs the hardware register to drive the data simultaneously to the CPU and a second register and in close proximity to the data transfer, the hardware register sends a validity signal to the second register without a subsequent bus cycle

instruction to the second register from the CPU (see column 9 lines 53-63).

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

See Form PTO-892.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Emerson C Puente whose telephone number is (703) 305-8012. The examiner can normally be reached on 8-5 M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert W Beausoliel can be reached on (703) 305-9713. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 306-5631.

Emerson Puente 12/9/03

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SUPERVISORY PATENT EXAMINER
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